



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/735,193	12/11/2003	Masanori Taketsugu	P/1878-186	2577
2352	7590	07/10/2008	EXAMINER	
OSTROLENK FABER GERB & SOFFEN 1180 AVENUE OF THE AMERICAS NEW YORK, NY 100368403			IQBAL, KHAWAR	
			ART UNIT	PAPER NUMBER
			2617	
			MAIL DATE	DELIVERY MODE
			07/10/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No. 10/735,193	Applicant(s) TAKETSUGU, MASANORI	
Examiner KHAWAR IQBAL	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 09 April 2008.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 23-46 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 23-46 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 12-12-07, 12-12-06, 6-25-04.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application
- 6) Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 23-46 are rejected under 35 U.S.C. 102(e) as being anticipated by Oom et al (6738625).

Regarding claim 23 Oom et al teaches a mobile communications system comprising (figs. 1-2):

a terminal resource controller (RNM, see figs.1-2) that performs a control independent of a radio transmission scheme (col. 7, lines 40-67); and

a plurality of base station resource controllers (RNCs, see figs. 1-2) that perform the control dependent on the radio transmission scheme (col. 5, lines 6-40);

wherein said terminal resource controller manages said plurality of base station resource controllers (col. 8, lines 1-25).

Regarding claim 24 Oom et al teaches wherein said terminal resource controller is connected to said plurality of base station resource controllers through said switching equipment (col. 5, lines 6-40, col. 7, lines 40-67, see fig. 2).

Regarding claim 25 Oom et al teaches wherein said switching equipment is a router or a hub (col. 5, lines 6-40, col. 7, lines 40-67, see fig. 2).

Regarding claim 26 Oom et al teaches wherein said terminal resource controller is physically separated from said plurality of base station resource controllers (see fig. 2 RNM and RNCs).

Regarding claim 27 Oom et al teaches said terminal resource controller comprises: a terminal position detector; a common radio resource manager; a broadcast network device; and a mobile controller (col. 8, lines 1-25, see figs. 1 and 2).

Regarding claim 28 Oom et al teaches wherein each of said plurality of base station resource controllers comprises, a cell controller, a radio layer controller, a cell communication gateway, and a user radio gateway (col. 5, lines 5-35, see figs. 1 and 2).

Regarding claim 29 Oom et al teaches wherein each of a plurality of base station resource controllers is incorporated into a base station (col. 5, lines 5-35, see figs. 1 and 2).

Regarding claim 30 Oom et al teaches further comprising a mobile terminal (fig. 2, element 120).

Regarding claim 31 Oom et al teaches a method of controlling a mobile communications system, comprising (figs. 1-2):

a terminal resource controller in the mobile communications system, performing a control independent of a radio transmission scheme (col. 7, lines 40-67); and

a plurality of base station resource controllers in the mobile communications system performing a control dependent on the radio transmission scheme (col. 5, lines 6-40), wherein said terminal resource controller manages said plurality of base station resource controllers (col. 8, lines 1-25).

Regarding claim 32 Oom et al teaches a mobile communications system comprising (figs. 1-4):
a plurality of terminal resource controllers that perform a control independent of a radio transmission scheme (col. 7, lines 40-67); and a base station resource controller that performs a control dependent on the radio transmission scheme (col. 5, lines 6-40), wherein said plurality of terminal resource controllers manage said base station resource controller (col. 8, lines 1-25).

Regarding claim 33 Oom et al teaches a switching element, wherein said plurality of terminal resource controllers are connected to said base station resource controller through said switching equipment (col. 5, lines 6-40, col. 7, lines 40-67, see fig. 2).

Regarding claim 34 Oom et al teaches wherein said switching equipment is a router or a hub (col. 5, lines 6-40, col. 7, lines 40-67, see fig. 2).

Regarding claim 35 Oom et al teaches wherein said plurality of terminal resource controllers are physically separated from said base station resource controller (see fig. 2 RNM and RNCs).

Regarding claim 36 Oom et al teaches wherein each of said terminal resource controller comprises: a terminal position detector, a common radio resource manager;

a broadcast network device, and a mobile controller (col. 8, lines 1-25, see figs. 1 and 2).

Regarding claim 37 Oom et al teaches wherein said plurality of base station controllers comprises: a cell controller, a radio layer controller, a cell communication gateway, and a user radio gateway (col. 5, lines 5-35, see figs. 1 and 2).

Regarding claim 38 Oom et al teaches wherein each of a plurality of base station resource controllers is incorporated into a base station (col. 5, lines 5-35, see figs. 1 and 2).

Regarding claim 39 Oom et al teaches further comprising a mobile terminal (fig. 2, device 120).

Regarding claim 40 Oom et al teaches a method of controlling a mobile communications system, comprising (figs. 1-4): a plurality of terminal resource controllers in the mobile communications system performing a control independent of a radio transmission scheme (col. 7, lines 40-67); and a base station resource controller in the mobile communications system performing a control dependent on the radio transmission scheme (col. 5, lines 6-40); wherein said plurality of terminal resource controllers manage said base station resource controller (col. 8, lines 1-25).

Regarding claim 41 Oom et al teaches a terminal resource controller comprising (figs. 1-4):

a terminal position detector, a common radio resource manager, a broadcast network device; and a mobile controller, wherein the terminal resource controller performs a control independent of a radio transmission scheme (col. 7, lines 40-67), and wherein

the terminal resource controller manages a plurality of base station resource controllers that perform a control dependent on the radio transmission scheme (col. 5, lines 6-40, col. 8, lines 1-25, figs. 1-4).

Regarding claim 42 Oom et al teaches a terminal resource controller comprising (fig. 1-4):

terminal position detection means for detecting a terminal position; common radio resource management means for managing a common radio resource; broadcast means for broadcasting; and mobile control means for controlling a mobile terminal, wherein the terminal resource controller performs a control independent of a radio transmission scheme, and wherein the terminal resource controller manages a plurality of base station resource controllers that perform a control dependent on the radio transmission scheme (col. 5, lines 6-40, col. 7, lines 40-67, col. 8, lines 1-25, figs. 1-4).

Regarding claim 43 Oom et al teaches a method of controlling a terminal resource controller, comprising performing a control independent of a radio transmission scheme, wherein said terminal resource controller manages a plurality of base station resource controllers that perform a control dependent on a radio transmission scheme (col. 5, lines 6-40, col. 7, lines 40-67, col. 8, lines 1-25, figs. 1-4).

Regarding claim 44 Oom et al teaches a base station resource controller comprising:
a cell controller; a radio layer controller, a cell communication gateway, and a user radio gateway, wherein the base station resource controller performs a control dependent on

a radio transmission scheme (col. 5, lines 6-40, col. 7, lines 40-67, col. 8, lines 1-25, figs. 1-4); and wherein the base station resource controller is managed by a plurality of terminal resource controllers that perform a control independent of the radio transmission scheme (col. 5, lines 6-40, col. 7, lines 40-67, col. 8, lines 1-25, figs. 1-4).

Regarding claim 45 Oom et al teaches a base station resource controller comprising:
cell control means for controlling a cell radio layer control means for controlling a radio layer, cell communication gateway means for transmitting a radio channel signal; and user radio gateway means for controlling retransmission (col. 5, lines 6-40, col. 7, lines 40-67, col. 8, lines 1-25, figs. 1-4), wherein the base station resource controller performs a control dependent on a radio transmission scheme, and wherein the base station resource controller is managed by a plurality of terminal resource controllers that perform a control independent of the radio transmission scheme (col. 5, lines 6-40, col. 7, lines 40-67, col. 8, lines 1-25, figs. 1-4).

Regarding claim 46 Oom et al teaches a method of controlling a base station resource controller, comprising: performing a control dependent on a radio transmission scheme, wherein the base station resource controller is managed by a plurality of terminal resource controllers that perform a control independent of the radio transmission scheme (col. 5, lines 6-40, col. 7, lines 40-67, col. 8, lines 1-25, figs. 1-4).

Response to Arguments

Applicant's arguments filed 04-09-08 have been fully considered but they are not persuasive. Claims 23, 31, 32 and 40-46 are broad claims and do not recite the

limitation “the principles of the present invention are applicable to other wireless communication standards (or system)”. Further, applicability of WCDMA system as well as GSM system, as quoted by applicant refer to page 9-10 of the remark is not claim. Limitations “a terminal resource controller that performs a control independent of a radio transmission scheme; and a plurality of base station resource controllers that perform the control dependent on the radio transmission scheme” in claims recite control independency of terminal source controller and control decency of base station regardless of the standards, such as GSM as well as WCDA. The statement that radio transceiver stations maybe separated from the radio transceiver stations site has nothing to do with the limitation in the claim that. Thus the rejection of the claims in view of Oom et al will remain. Further, Oom et al teaches a terminal resource controller (RNM, see figs.1-2) that performs a control independent of a radio transmission scheme and a plurality of base station resource controllers (RNCs, see figs. 1-2) that perform the control dependent on the radio transmission scheme (col. 5, lines 6-40, col. 7, lines 40-67). Thus, Oom teaches the claimed limitations as recited in claims.

Conclusion

3. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KHAWAR IQBAL whose telephone number is (571)272-7909. The examiner can normally be reached on 9 am to 6.30 pm Monday to Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, GEORGE ENG can be reached on 571-272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/George Eng/
Supervisory Patent Examiner, Art Unit 2617

Application/Control Number:
10/735,193
Art Unit: 2617

Page 10

/K. I./
Examiner, Art Unit 2617